

Application No. 09/538,455  
Amendment Dated July 12, 2005  
Reply to non-final Office Action of February 15, 2005

**Amendments To The Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims**

1. (Previously Presented) A stream switching system, comprising:  
a stream switching housing having at least one common stream channel portion with a plurality of input ports and at least one output port;  
tubing connected at least one of said output ports,  
said tubing at least in part being a pre-heat coil suitable to heat a fluid sample traveling through said coil and to act as a flow restrictor for flow restriction of said fluid sample, the extent of said flow restriction sufficient to restrict said sample flow to about 50-70 cc/min.
2. (Original) The stream switching system of claim 1, further comprising:  
an insulated housing forming an interior region and encapsulating said stream switching housing in said interior region, said insulated housing stabilizing a temperature of said stream switching housing.
3. (Original) The stream switching system of claim 2, further comprising a heater within said interior region.
4. (Original) The stream switching system of claim 2, further comprising:  
a plurality of gas flow actuation switches positioned outside of said insulated housing;  
piping connecting said plurality of fluid flow actuation switches to said insulated housing.
5. (Original) The stream switching system of claim 4, wherein said fluid flow actuation switches are solenoids.

Application No. 09/538,455  
Amendment Dated July 12, 2005  
Reply to non-final Office Action of February 15, 2005

6. (Original) The stream switching system of claim 5, wherein said piping connects said solenoid to said stream switching housing.
7. (Original) The stream switching system of claim 3, wherein said fluid flow actuation switches connect to said insulated housing.
8. (Original) The stream switching system of claim 3, wherein said fluid flow actuation switches are remote from said insulated housing.
- 9.-19. (Cancelled)
20. (Previously Presented) The stream switching system of claim 1, wherein there are more input ports than output ports.
21. (Previously Presented) The stream switching system of claim 1, further comprising at least one sample shut off switch connected to a downstream end of said tubing.
22. (Cancelled)
23. (Previously Presented) The stream switching system of claim 21, wherein said sample shut off switch includes a bleed port.
24. (Previously Presented) The stream switching system of claim 1, wherein each of input ports and output ports are individually actuatable.
25. Cancelled

Application No. 09/538,455  
Amendment Dated July 12, 2005  
Reply to non-final Office Action of February 15, 2005

26. (Previously Presented) A stream switching system, comprising:  
a housing forming an interior flow path for gas samples, said flow path connecting to the exterior of said housing via a first number of input ports and a second number of output ports, wherein said number of input ports is greater than said number of output ports; and  
piping connected to at least one of said output ports, said piping heating said gas samples to about a predetermined temperature.
27. (Previously Presented) The stream switching system of claim 26, wherein said housing further forms a sample shut off channel with an external bleed port, and further wherein said piping is upstream of said sample shut off channel.
28. (Previously Presented) A stream switching system, comprising:  
a stream switching housing having at least one common stream channel portion with a plurality of input ports and at least one output port;  
tubing connected at least one of said output ports;  
insulation surrounding said stream switching housing and said tubing;  
a heater to warm said stream switching housing and said tubing to a predetermined temperature;  
said tubing at least in part being a pre-heat coil suitable to heat a fluid sample having a liquid portion and to act as a flow restrictor for flow restriction of said fluid sample such that said fluid sample is heated to said predetermined temperature.
29. (Previously Presented) The stream switching system of claim 28, wherein said predetermined temperature is eighty degrees Fahrenheit.
30. (Previously Presented) The stream switching system of claim 28, further comprising:  
a gas chromatograph attached to said output port;  
wherein said gas chromatograph is maintained at a second predetermined temperature and said predetermined temperature for said fluid sample is the same as said second predetermined temperature.